



ARSET

Applied Remote Sensing Training

<http://arset.gsfc.nasa.gov>

 @NASAARSET

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# Welcome to the NASA Applied Remote Sensing Training Workshop:

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## NASA Earth Observations, Data and Tools for Air Quality Applications

August 28, 2016 to Monday, August 29, 2016

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A satellite map of Australia is shown in the background. A semi-transparent rectangular box is overlaid on the map, containing the text 'Applied Remote Sensing Training Program (ARSET)'. Below the text is a horizontal line. The map shows the coastline of Australia, with various shades of blue representing the ocean and brown/tan representing the land. There are some red and blue markings on the map, possibly indicating specific locations or data points.

# Applied Remote Sensing Training Program (ARSET)

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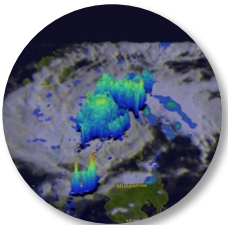
# Applied Remote Sensing Training Program (ARSET)

<http://arset.gsfc.nasa.gov>

Provide online and on-site trainings tailored to:

- policy makers
- regulatory agencies
- applied environmental professionals

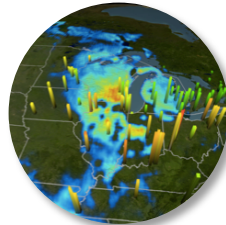
to increase the use of NASA Earth Science models & data for environmental applications:



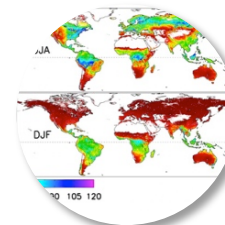
Disasters



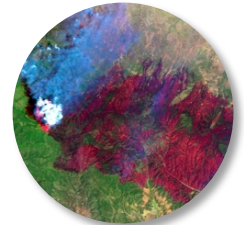
Ecoforecasting



Health &  
Air Quality



Water  
Resources



Wildfires

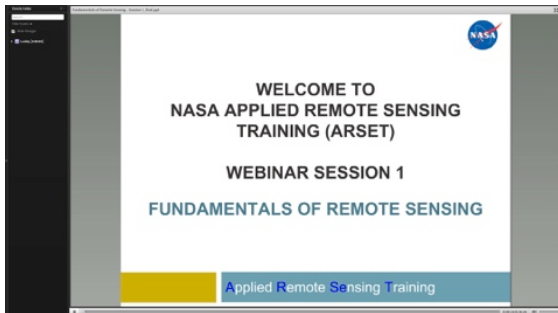
# ARSET Air Quality Team

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# Applied Remote Sensing Training Program (ARSET)

<http://arset.gsfc.nasa.gov>

Training activities for environmental professionals to increase usage of NASA observational and modeling data for decision-making support.



## Online Webinars

- 1 hour a week, 4-6 weeks
- Live & recorded
- Include demos on data access

## In-person Workshops

- Held in a computer lab for 2 - 4 days
- Focus on data access
- Locally relevant case studies

## Train the Trainers

- Courses & training manuals for those interested in doing their own remote sensing trainings

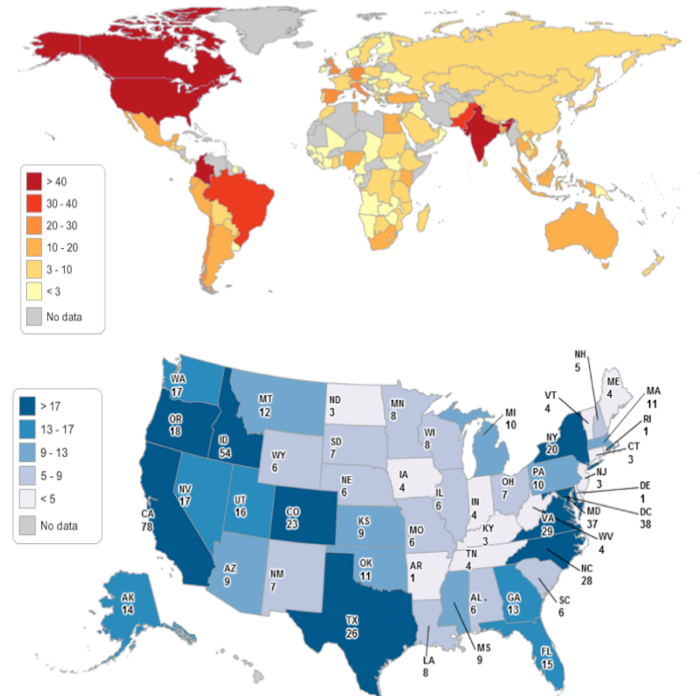
# ARSET Trainings

## Impact & Accomplishments

- 73 Trainings Completed
- 6,000+ participants worldwide from:
  - 2,000+ organizations
  - 130+ countries
- More participants trained in 2015 than all previous years combined

*“[This training] motivated me to use satellite-based information for air quality management. So far I was dependent on ground-based tools like monitoring, inventory, and modeling.” -Participant of 2015 Advanced Air Quality Webinar*

Number of Participating Organizations by Country & U.S. States (2008-2015)



# ARSET Trainings

A gradual learning approach

## Basic Trainings

- Webinars & Workshops
  - Assumes no prior RS knowledge
- Examples: Fundamentals of Remote Sensing; Introduction to Remote Sensing*

## Advanced Trainings

- Webinars & Workshops
  - Requires basic training
  - Focuses on specific applications
- Example: Advanced Webinar: Satellite Remote Sensing of Particulate Matter Air Quality*

# ARSET Listserv

For information on upcoming courses and program updates, please sign up to the listserv

<http://lists.nasa.gov/mailman/listinfo/arset>

For training materials associated with this workshop:

<http://arset.gsfc.nasa.gov/airquality/workshops/baq16>